

Amendments to the Claims

This listing of claims will replace all prior versions, and listings of the claims in the application:

What is claimed:

1. (Currently Amended) Steel for the production of high-strength components with excellent low-temperature toughness, having the following composition (in % by weight):

C: 0.08 to 0.25 %,

Si: 0.10 to 0.30 %,

Mn: 0.80 to 1.60 %,

P: $[[=]] \leq 0.020$ %,

S: $[[=]] \leq 0.015$ %,

$[[the]]_a$ sum of the P and S content being $[[=]] \leq 0.030$ %,

Cr: 0.40 to 0.80 %,

Mo: 0.30 to 0.50 %,

Ni: 0.70 to 1.20 %,

Al: 0.020 to 0.060 %,

N: 0.007 to 0.018 %,

V: $[[=]] \leq 0.15$ %,

Nb: $[[=]] \leq 0.07$ %,

$[[the]]_a$ sum of the V and Nb content being $[[=]] \geq 0.020$ %, the remainder being iron and inevitable impurities.

2. (Previously Presented) Steel according to Claim 1, wherein its C content is from 0.16 % by weight to 0.23 % by weight.

3. (Previously Presented) Steel according to Claim 1 wherein its Mn content is from 1.00 % by weight to 1.35 % by weight.
4. (Previously Presented) Steel according to Claim 1 wherein its Cr content is from 0.40 % by weight to 0.65 % by weight.
5. (Previously Presented) Steel according to Claim 1 wherein its Mo content is from 0.35 % by weight to 0.50 % by weight.
6. (Previously Presented) Steel according to Claim 1 wherein its Ni content is from 0.75 % by weight to 1.00 % by weight.
7. (Previously Presented) Steel according to Claim 1 wherein its Al content is from 0.020 % by weight to 0.045 % by weight.
8. (Previously Presented) Steel according to Claim 1 wherein its N content is from 0.007 % by weight to 0.015 % by weight.
9. (Previously Presented) Steel according to Claim 1 wherein it has an austenite grain size that is finer than ASTM 10.
10. (Previously Presented) Use of a steel composed according to Claim 1 for the production of high-strength components by cold forming with subsequent temper-hardening.
11. (Currently Amended) Use according to Claim 10, wherein the components are ~~means-used~~ for [[the]] carrying, pulling, lifting, conveying or securing of loads.
12. (Currently Amended) Use according to Claim 10, wherein the components are ~~means-used~~ for [[the]] connection of structural elements.
13. (Previously Presented) Use according to Claim 10, wherein the components are chains.

14. (Previously Presented) Use according to Claim 13, wherein the chains are round steel chains.
15. (Previously Presented) Use according to Claim 13, wherein the chains are welded.
16. (Previously Presented) Use according to Claim 10, wherein the components have a strength of at least 1,200 MPa.
17. (Previously Presented) Use according to Claim 16, wherein the strength is at least 1,550 MPa.
18. (Previously Presented) Use according to Claim 16, wherein the strength is at least 1,600 MPa, in particular at least 1,650 MPa.
19. (Currently Amended) Use according to Claim 10, wherein at a strength of at least 1,550 MPa, ~~the~~a fracture appearance transition temperature FATT of the components is at most -60 °C.
20. (Currently Amended) Use according to Claim 10, wherein ~~the~~a notch impact working value is more than 45 J.
21. (Currently Amended) Use according to Claim 10, wherein ~~the~~a material of the component has a technical crack initiation toughness J_{IC} of more than 170 N/mm².
22. (Previously Presented) Use according to Claim 21, wherein the technical crack initiation toughness J_{IC} is more than 185 N/mm².
23. (Previously Presented) Use according to Claim 10, wherein the components exhibit an elongation at break of more than 28%.